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NT

Client:

LumCAT: 2-2682-L

Luminaire: 92.70.411.00

Report No: 2024407-B022

Ballast type: AC

Test No: 2024407-C022

Voltage(V): 34.850

LampCAT: Fortimo_SLM_C_1205

Current(A): 0.401

Lamp flux(lm): 2388.0

Power (W): 13.974

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 2070.53, Efficiency(%): 86.71% , Luminous Efficacy(lm/W): 148.17

Central intensity(cd): 9549.467, Maximum intensity(cd): 9549.467

Angle of maximum intensity: C=0.0 γ =0.0

Beam Angle(50%Imax): [C0/180]Total=18.6

[C90/270]Total=18.6

Field angle(10%Imax): [C0/180]Total=51.4

[C90/270]Total=51.4

Maximum s/h(1/2): C0_180=0.32 C90_270=0.32

Maximum s/h(1/4): C0_180=0.37 C90_270=0.37

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 86.71%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 98.040%

Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/4/07
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	9549.467	0.000	0	0.00%	0.00%
1.0	9478.436	9.104	9.104	0.38%	0.44%
2.0	9243.029	26.871	35.975	1.13%	1.74%
3.0	8878.068	43.340	79.315	1.81%	3.83%
4.0	8356.852	57.691	137.006	2.42%	6.62%
5.0	7688.745	69.027	206.033	2.89%	9.95%
6.0	6975.355	77.064	283.097	3.23%	13.67%
7.0	6216.099	81.879	364.976	3.43%	17.63%
8.0	5543.602	84.162	449.138	3.52%	21.69%
9.0	4938.845	84.955	534.093	3.56%	25.80%
10.0	4382.004	84.350	618.443	3.53%	29.87%
11.0	3919.237	82.946	701.389	3.47%	33.87%
12.0	3492.974	81.026	782.415	3.39%	37.79%
13.0	3113.968	78.408	860.823	3.28%	41.58%
14.0	2778.853	75.428	936.251	3.16%	45.22%
15.0	2480.900	72.208	1008.459	3.02%	48.71%
16.0	2214.257	68.797	1077.256	2.88%	52.03%
17.0	1979.582	65.309	1142.565	2.73%	55.18%
18.0	1778.704	61.966	1204.531	2.59%	58.18%
19.0	1617.328	59.084	1263.615	2.47%	61.03%
20.0	1473.362	56.568	1320.184	2.37%	63.76%
21.0	1303.194	53.316	1373.499	2.23%	66.34%
22.0	1226.061	50.826	1424.326	2.13%	68.79%
23.0	1164.356	50.157	1474.483	2.10%	71.21%
24.0	1078.709	49.041	1523.524	2.05%	73.58%
25.0	1004.751	47.373	1570.898	1.98%	75.87%
26.0	929.352	45.655	1616.552	1.91%	78.07%
27.0	848.108	43.486	1660.038	1.82%	80.17%
28.0	773.250	41.049	1701.088	1.72%	82.16%
29.0	688.466	38.243	1739.33	1.60%	84.00%
30.0	599.256	34.768	1774.099	1.46%	85.68%
31.0	509.921	30.867	1804.965	1.29%	87.17%
32.0	428.824	26.894	1831.859	1.13%	88.47%
33.0	359.774	23.232	1855.092	0.97%	89.60%
34.0	304.368	20.099	1875.191	0.84%	90.57%
35.0	272.064	17.902	1893.093	0.75%	91.43%
36.0	241.632	16.356	1909.449	0.68%	92.22%
37.0	192.561	14.161	1923.61	0.59%	92.90%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	159.986	11.768	1935.377	0.49%	93.47%
39.0	135.867	10.098	1945.475	0.42%	93.96%
40.0	116.643	8.807	1954.282	0.37%	94.39%
41.0	98.676	7.667	1961.95	0.32%	94.76%
42.0	84.872	6.669	1968.618	0.28%	95.08%
43.0	72.656	5.835	1974.453	0.24%	95.36%
44.0	62.436	5.099	1979.552	0.21%	95.61%
45.0	54.382	4.489	1984.042	0.19%	95.82%
46.0	48.405	4.020	1988.061	0.17%	96.02%
47.0	43.533	3.657	1991.718	0.15%	96.19%
48.0	39.883	3.372	1995.09	0.14%	96.36%
49.0	37.542	3.180	1998.27	0.13%	96.51%
50.0	35.765	3.056	2001.326	0.13%	96.66%
51.0	34.550	2.975	2004.301	0.12%	96.80%
52.0	34.016	2.942	2007.243	0.12%	96.94%
53.0	33.394	2.932	2010.176	0.12%	97.09%
54.0	32.758	2.916	2013.091	0.12%	97.23%
55.0	32.509	2.913	2016.005	0.12%	97.37%
56.0	32.063	2.918	2018.923	0.12%	97.51%
57.0	31.068	2.887	2021.809	0.12%	97.65%
58.0	29.978	2.823	2024.632	0.12%	97.78%
59.0	28.449	2.732	2027.364	0.11%	97.92%
60.0	26.291	2.586	2029.95	0.11%	98.04%
61.0	24.236	2.411	2032.361	0.10%	98.16%
62.0	22.312	2.243	2034.604	0.09%	98.27%
63.0	20.110	2.063	2036.667	0.09%	98.36%
64.0	18.040	1.872	2038.539	0.08%	98.46%
65.0	16.789	1.724	2040.263	0.07%	98.54%
66.0	15.699	1.621	2041.884	0.07%	98.62%
67.0	14.872	1.537	2043.421	0.06%	98.69%
68.0	14.236	1.474	2044.895	0.06%	98.76%
69.0	13.745	1.427	2046.323	0.06%	98.83%
70.0	13.299	1.389	2047.712	0.06%	98.90%
71.0	12.926	1.355	2049.067	0.06%	98.96%
72.0	12.560	1.325	2050.392	0.06%	99.03%
73.0	12.282	1.299	2051.692	0.05%	99.09%
74.0	11.982	1.276	2052.967	0.05%	99.15%
75.0	11.778	1.255	2054.223	0.05%	99.21%

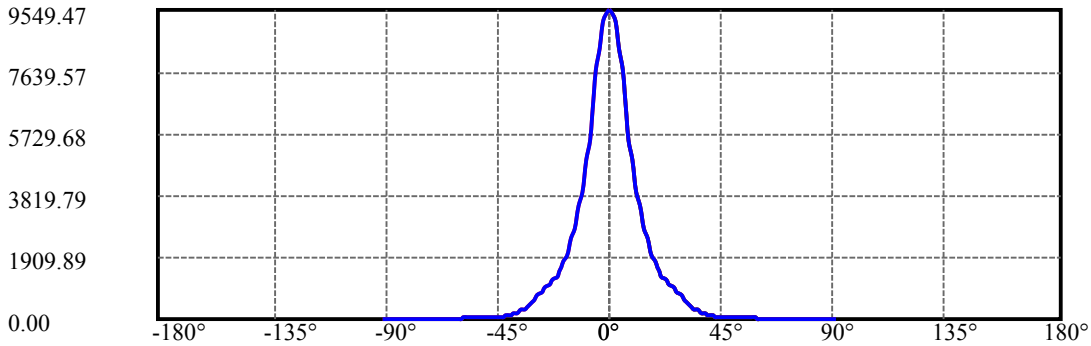
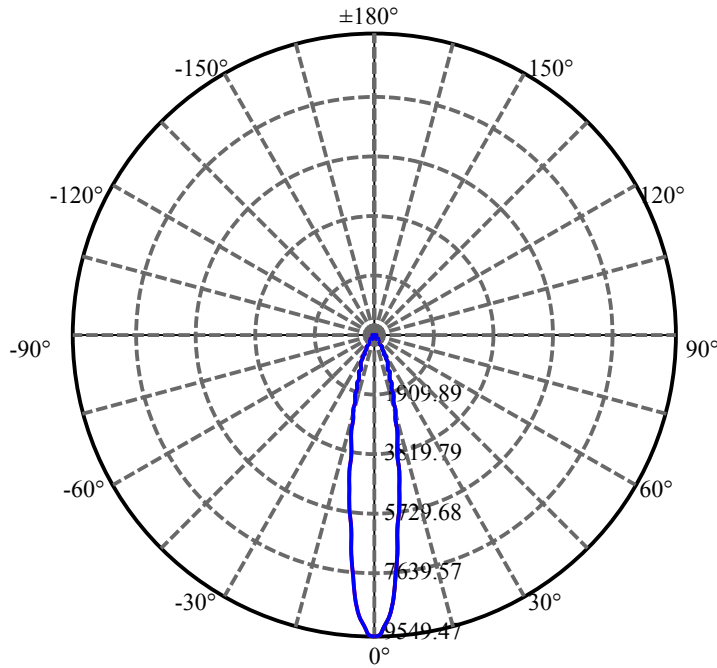
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	11.514	1.236	2055.459	0.05%	99.27%
77.0	11.317	1.217	2056.676	0.05%	99.33%
78.0	11.061	1.198	2057.874	0.05%	99.39%
79.0	10.819	1.176	2059.05	0.05%	99.45%
80.0	10.541	1.152	2060.201	0.05%	99.50%
81.0	10.315	1.128	2061.329	0.05%	99.56%
82.0	10.037	1.104	2062.433	0.05%	99.61%
83.0	9.810	1.079	2063.512	0.05%	99.66%
84.0	9.583	1.056	2064.568	0.04%	99.71%
85.0	9.356	1.034	2065.602	0.04%	99.76%
86.0	9.225	1.016	2066.618	0.04%	99.81%
87.0	9.049	1.000	2067.618	0.04%	99.86%
88.0	8.888	0.983	2068.6	0.04%	99.91%
89.0	8.756	0.967	2069.567	0.04%	99.95%
90.0	8.720	0.958	2070.526	0.04%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	1774.10	74.29%	85.68%
0-40	1954.28	81.84%	94.39%
0-60	2029.95	85.01%	98.04%
0-90	2069.57	86.67%	99.95%
0-120	2069.57	86.67%	99.95%
0-180	2070.53	86.71%	100.00%
60-90	39.62	1.66%	1.91%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-26.92	1656.42	69.36%	80.00%

ZONAL LUMEN SUMMARY

0-10	618.44
10-20	701.74
20-30	453.92
30-40	180.18
40-50	47.04
50-60	28.62
60-70	17.76
70-80	12.49
80-90	9.37
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00



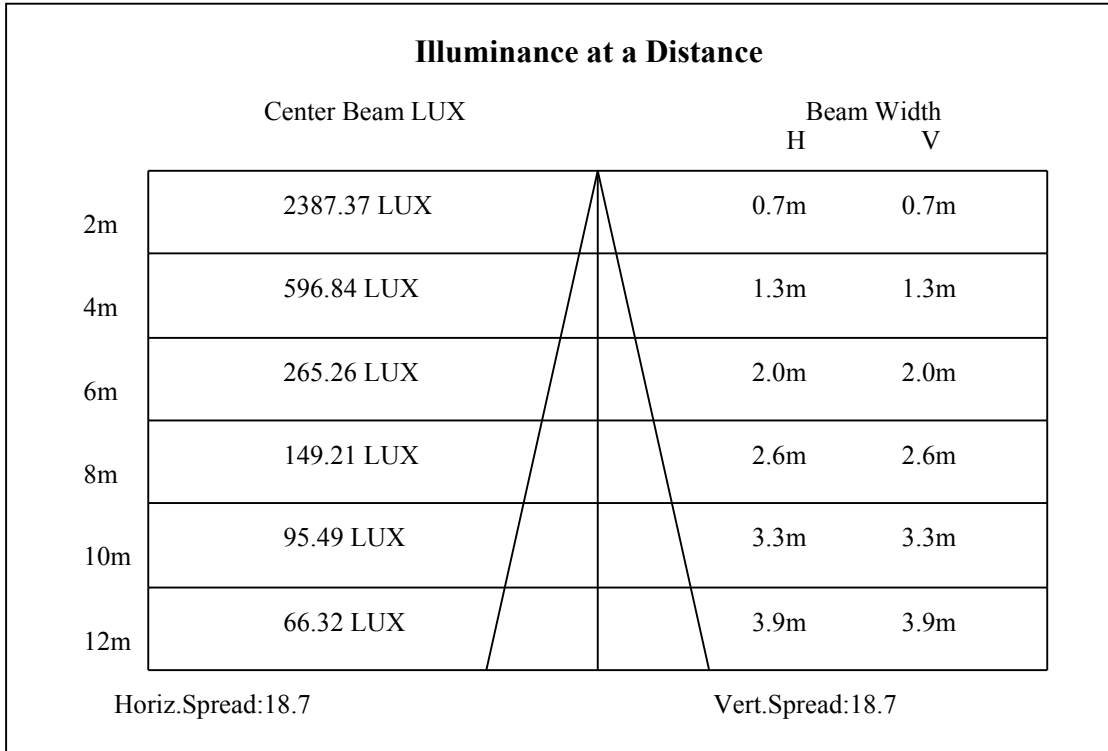
C0(Max): —————

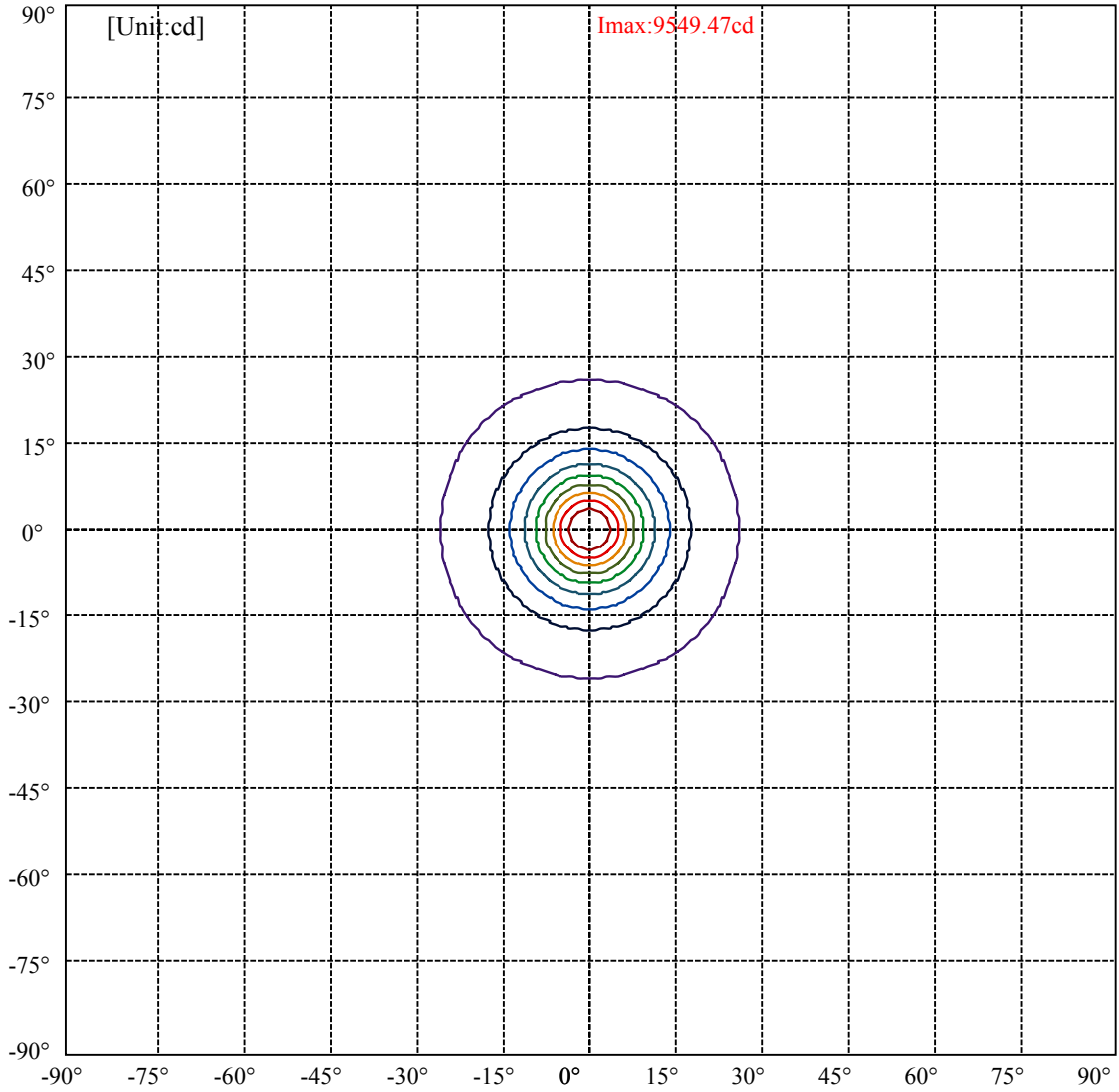
C0/C180: —————

C90/C270: —————

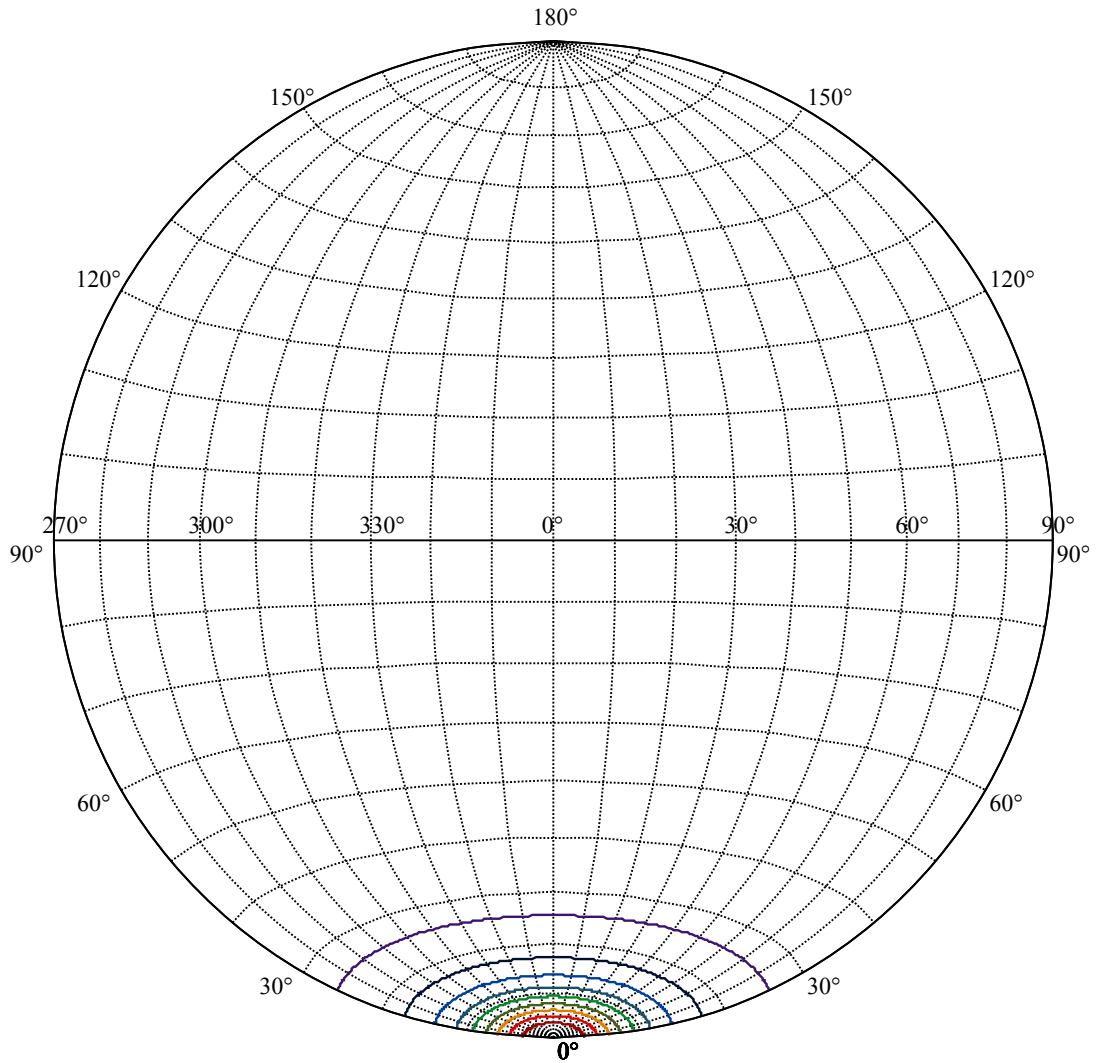
Field angle(10%Imax):C0/180Left:25.7 Right:25.7
:C90/270Left:25.7 Right:25.7

Beam Angle(50%Imax):C0/180Left:9.3 Right:9.3
:C90/270Left:9.3 Right:9.3





(10%Imax) 954.947	—
(20%Imax) 1909.89	—
(30%Imax) 2864.84	—
(40%Imax) 3819.79	—
(50%Imax) 4774.73	—
(60%Imax) 5729.68	—
(70%Imax) 6684.63	—
(80%Imax) 7639.57	—
(90%Imax) 8594.52	—



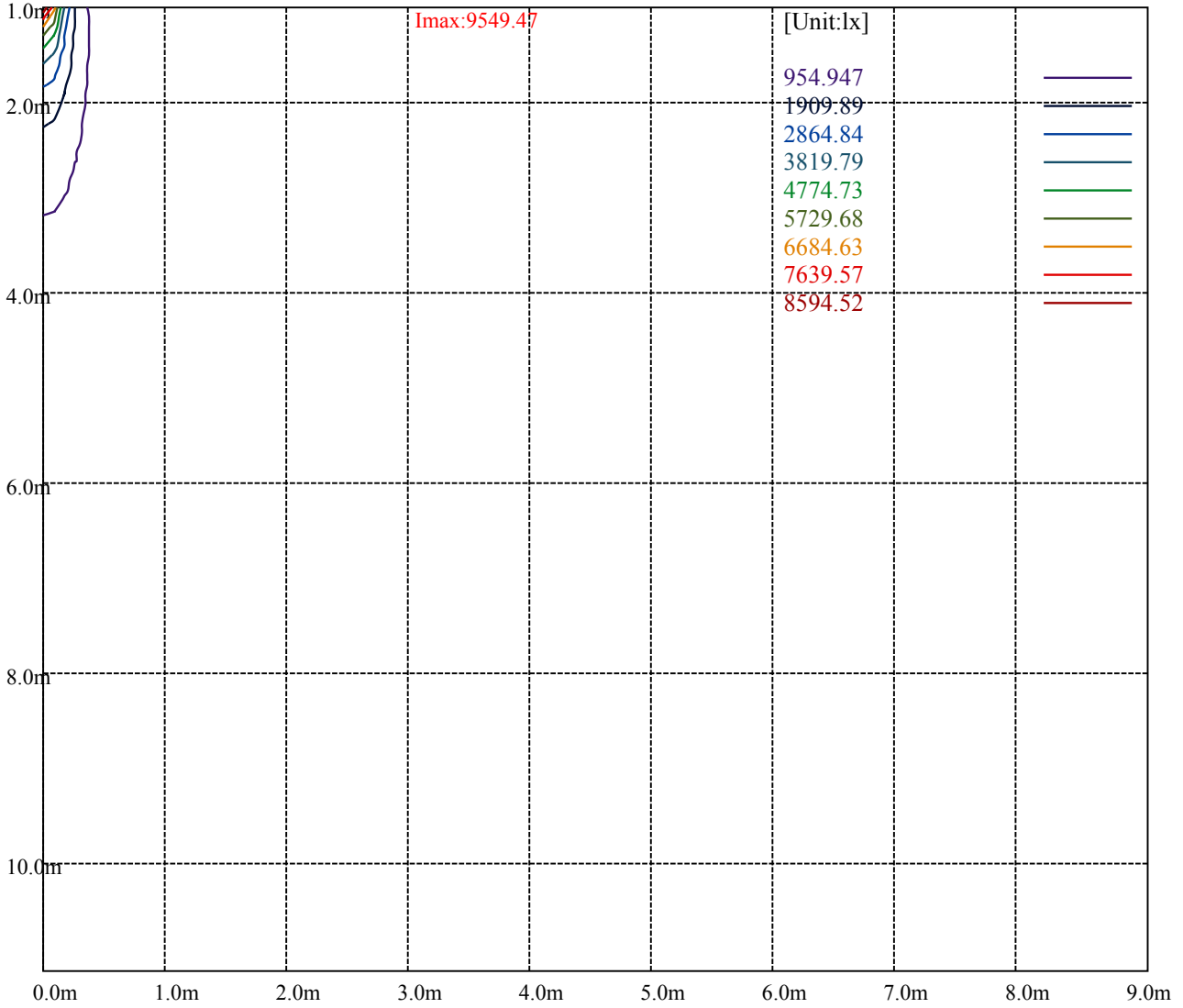
House

[Unit:cd]

Road

Imax:9549.47

(10%Imax)	954.947	—
(20%Imax)	1909.89	—
(30%Imax)	2864.84	—
(40%Imax)	3819.79	—
(50%Imax)	4774.73	—
(60%Imax)	5729.68	—
(70%Imax)	6684.63	—
(80%Imax)	7639.57	—
(90%Imax)	8594.52	—



Luminance Table

γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
0	0	0	0	0	0	0	0	0

Glare Table

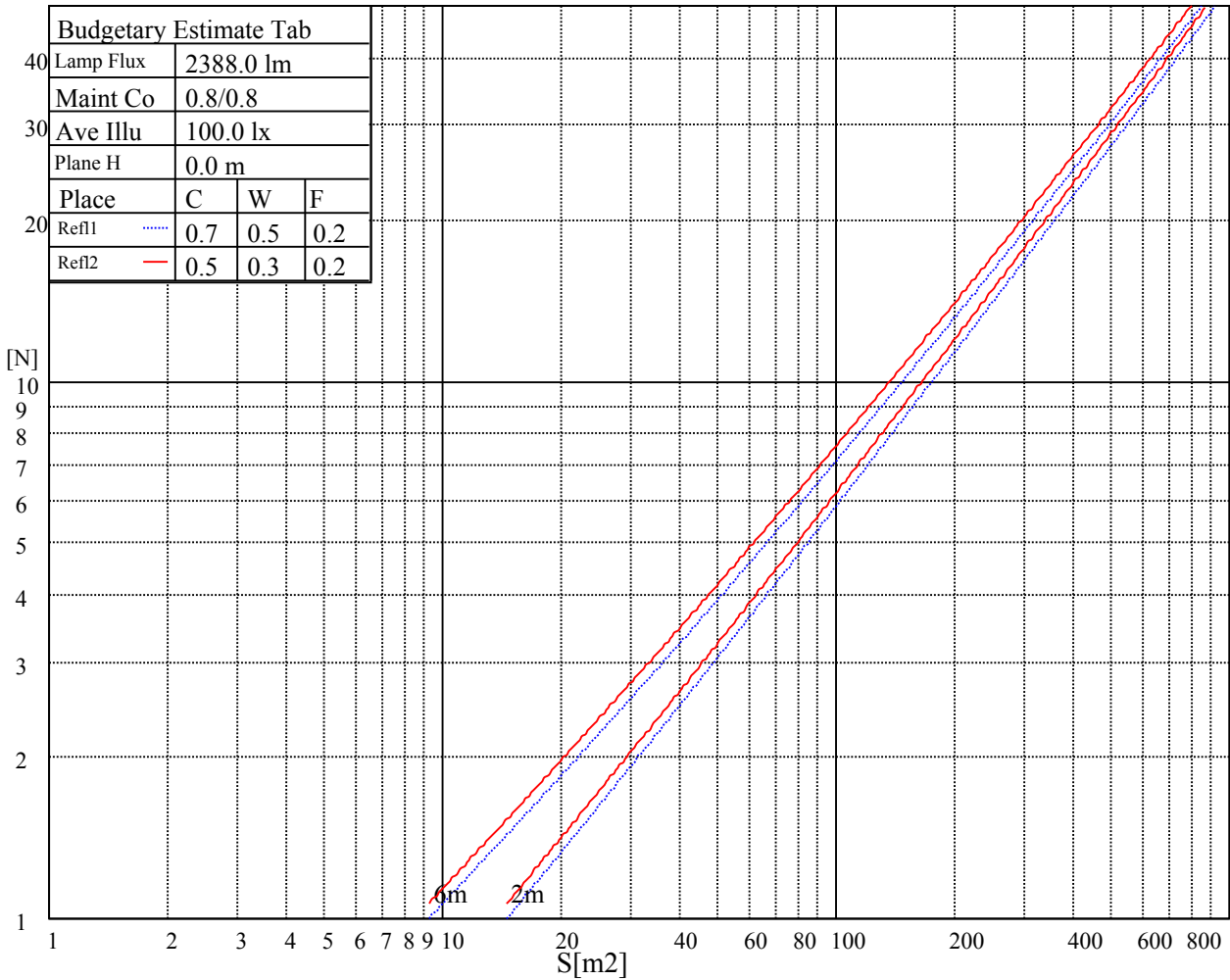
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

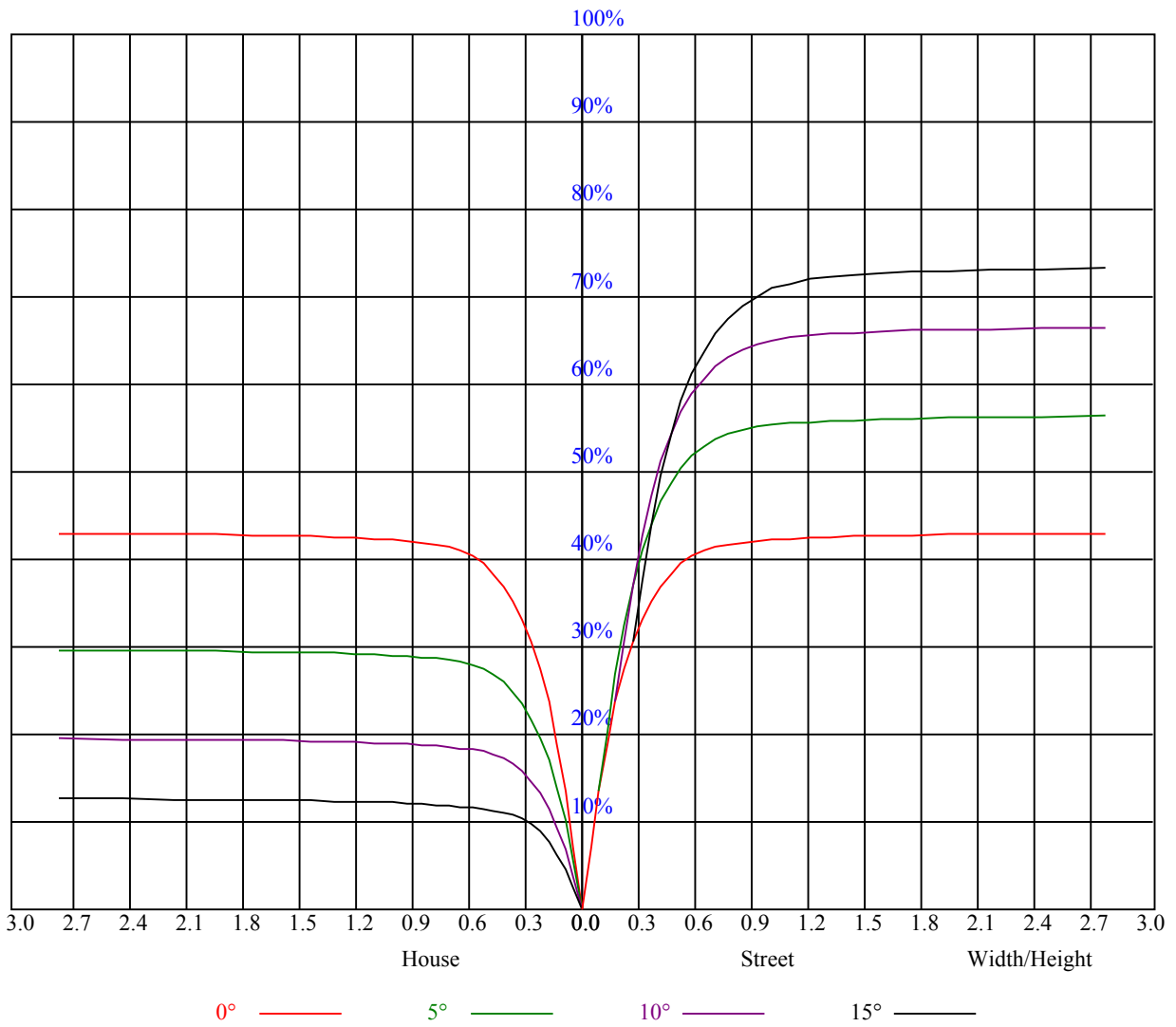


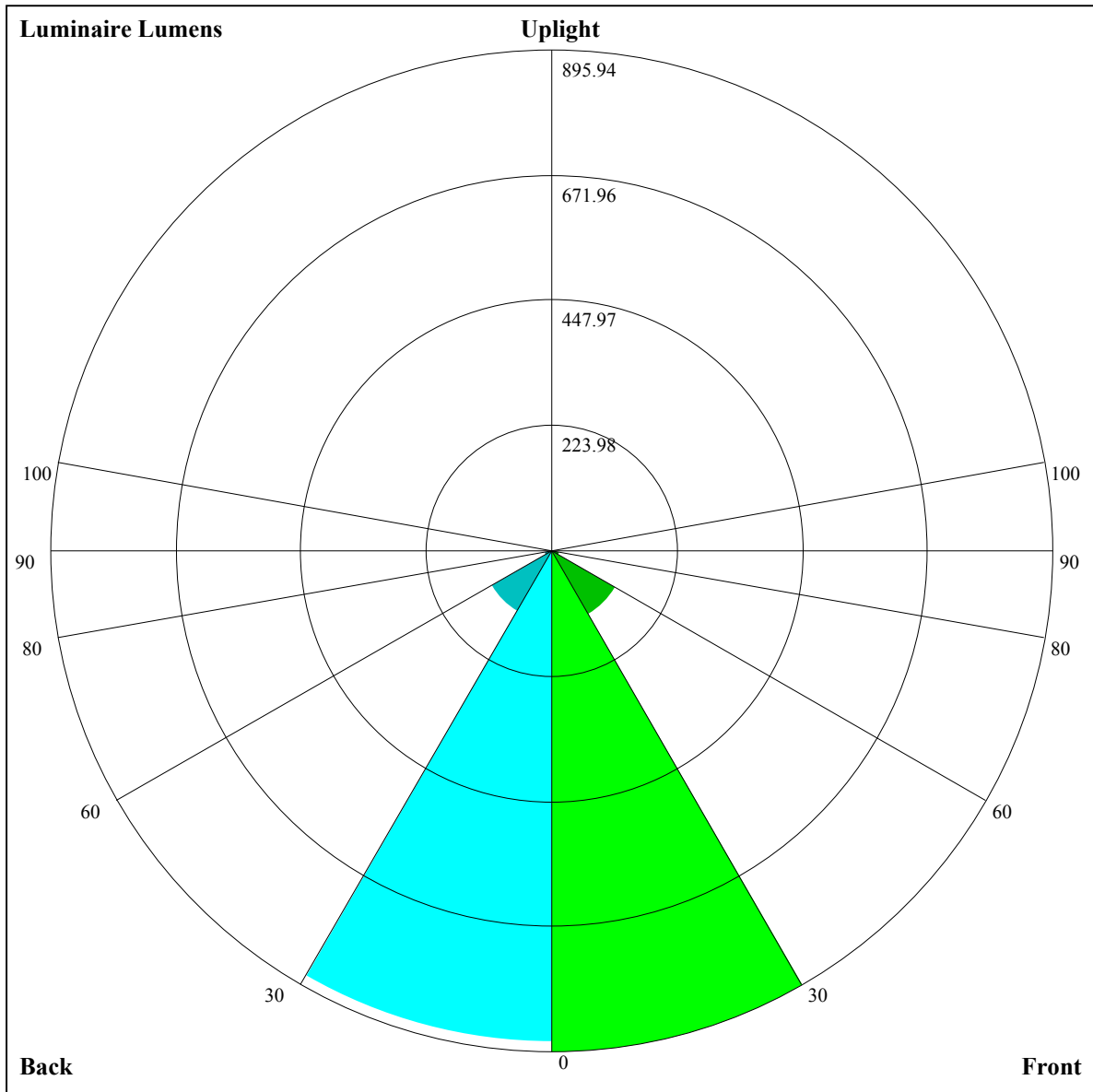
Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	4H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	6H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	8H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
4H	12H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	4H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	6H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
8H	8H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	12H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	4H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	6H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	8H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
12H	12H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	4H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	6H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	8H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
Variation with the observer position at spacings:											
S = 1.0H		非数字/非数字					非数字/非数字				
S = 1.5H		非数字/非数字					非数字/非数字				
S = 2.0H		非数字/非数字					非数字/非数字				
Standard tables:		BK0					BK0				
Uncorrected UGR		负无穷大					负无穷大				

UGR calculation is based on CIE Publ. 117 ,S/H = 0.25



RHOCC	80			70			50			30			10			0
RHOW	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR	COEFFICIENTS OF UTILIZATION RHOF=20 CU															
0	1.03	1.03	1.03	1.01	1.01	1.01	0.96	0.96	0.96	0.92	0.92	0.92	0.88	0.88	0.88	0.87
1	0.97	0.95	0.93	0.95	0.93	0.92	0.91	0.90	0.89	0.88	0.87	0.86	0.85	0.85	0.84	0.82
2	0.91	0.88	0.86	0.90	0.87	0.85	0.87	0.85	0.83	0.85	0.83	0.81	0.82	0.81	0.80	0.78
3	0.87	0.83	0.80	0.85	0.82	0.79	0.83	0.80	0.78	0.81	0.79	0.77	0.79	0.77	0.76	0.75
4	0.82	0.78	0.75	0.81	0.78	0.75	0.80	0.77	0.74	0.78	0.75	0.73	0.77	0.74	0.72	0.71
5	0.79	0.75	0.71	0.78	0.74	0.71	0.76	0.73	0.71	0.75	0.72	0.70	0.74	0.71	0.69	0.68
6	0.75	0.71	0.68	0.75	0.71	0.68	0.74	0.70	0.67	0.72	0.69	0.67	0.71	0.69	0.67	0.66
7	0.72	0.68	0.65	0.72	0.68	0.65	0.71	0.67	0.65	0.70	0.67	0.64	0.69	0.66	0.64	0.63
8	0.70	0.65	0.63	0.69	0.65	0.62	0.68	0.65	0.62	0.68	0.64	0.62	0.67	0.64	0.62	0.61
9	0.67	0.63	0.60	0.67	0.63	0.60	0.66	0.62	0.60	0.65	0.62	0.60	0.65	0.62	0.60	0.59
10	0.65	0.61	0.58	0.65	0.61	0.58	0.64	0.60	0.58	0.63	0.60	0.58	0.63	0.60	0.58	0.57





Luminaire Lumens:

FL=895.94,FM=132.23,FH=15.32,FVH=5.18

BL=878.45,BM=126.18,BH=15.03,BVH=5.15

UL=0,UH=0

BUG Rating:B2-U0-G0

Intensity data(cd)

C/γ(°)	0.0	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0
0.0	9589.56	9500.02	9260.07	8917.72	8427.30	7667.68	6995.25	6157.80	5535.12
45.0	9502.94	9580.78	9549.17	9295.77	8927.67	8416.18	7617.35	6917.42	6081.13
90.0	9558.54	9450.27	9104.40	8662.56	8069.73	7196.57	6507.76	5855.23	5246.60
135.0	9546.83	9545.66	9423.35	9048.81	8589.99	7988.38	7272.65	6400.08	5738.19
180.0	9589.56	9524.60	9328.55	8993.21	8367.02	7755.46	7064.89	6181.79	5529.85
225.0	9502.94	9299.28	8875.00	8373.46	7784.72	7127.51	6276.60	5624.66	5031.82
270.0	9558.54	9514.65	9325.03	9042.37	8505.72	7946.83	7325.91	6659.33	5870.45
315.0	9546.83	9412.23	9078.65	8690.65	8182.67	7411.35	6742.44	5932.48	5315.66
360.0	9589.56	9500.02	9260.07	8917.72	8427.30	7667.68	6995.25	6157.80	5535.12
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	4961.01	4313.75	3866.64	3473.37	3046.74	2740.67	2459.17	2209.28	1943.59
45.0	5472.50	4921.22	4408.56	3858.45	3476.30	3126.92	2799.77	2438.11	2186.46
90.0	4578.27	4110.68	3702.19	3332.33	2990.56	2614.26	2349.74	2113.89	1866.34
135.0	5145.36	4618.07	4042.79	3644.84	3198.90	2873.51	2579.73	2259.03	2038.40
180.0	4949.31	4304.39	3862.54	3492.68	3067.22	2754.71	2480.24	2242.64	1977.53
225.0	4382.81	3947.99	3568.18	3139.79	2827.28	2546.37	2233.28	2019.08	1831.81
270.0	5271.77	4718.73	4202.56	3677.03	3310.09	2958.96	2597.87	2322.23	2092.82
315.0	4749.74	4121.21	3700.44	3325.31	2994.65	2615.43	2347.40	2109.79	1899.70
360.0	4961.01	4313.75	3866.64	3473.37	3046.74	2740.67	2459.17	2209.28	1943.59
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	1767.44	1612.35	1482.43	1345.49	1153.89	1153.89	1082.78	1015.48	945.49
45.0	1968.17	1787.34	1591.29	1465.46	1336.13	1247.17	1167.00	1071.61	1000.21
90.0	1699.55	1525.74	1412.79	1154.82	1154.82	1114.15	1036.43	964.10	889.31
135.0	1847.61	1682.58	1515.79	1405.77	1301.01	1207.96	1107.30	1028.30	952.80
180.0	1787.34	1621.72	1485.36	1341.39	1247.17	1162.32	1075.70	1007.82	922.37
225.0	1629.91	1494.72	1381.19	1167.76	1167.76	1090.86	1016.48	945.49	856.07
270.0	1847.03	1673.22	1497.06	1388.80	1291.65	1200.94	1096.77	1024.79	956.32
315.0	1682.58	1540.96	1420.98	1156.05	1156.05	1137.56	1047.20	980.43	912.25
360.0	1767.44	1612.35	1482.43	1345.49	1153.89	1153.89	1082.78	1015.48	945.49
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	855.13	777.82	698.00	593.48	512.07	436.40	369.86	303.15	261.13
45.0	927.05	854.49	760.85	683.60	603.43	521.49	425.52	362.90	311.40
90.0	798.42	720.82	645.97	562.58	461.33	388.94	317.89	275.76	240.59
135.0	859.17	783.09	705.25	604.01	522.08	424.35	360.56	309.64	299.69
180.0	849.81	773.73	691.79	587.04	502.77	426.10	359.97	306.13	306.13
225.0	782.62	706.43	603.66	519.56	423.35	358.92	305.84	262.24	217.35
270.0	886.09	816.45	727.49	650.24	568.31	465.90	393.33	320.76	296.77
315.0	826.57	753.18	674.71	593.54	486.03	408.49	345.22	294.37	243.45
360.0	855.13	777.82	698.00	593.48	512.07	436.40	369.86	303.15	261.13
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	224.78	193.71	160.29	138.00	119.33	99.84	86.85	73.33	64.14
45.0	299.69	252.00	196.05	164.10	142.39	123.66	103.99	90.48	77.83
90.0	203.89	177.62	154.21	128.69	111.37	95.92	82.63	68.88	60.10
135.0	299.69	197.10	171.82	148.47	128.46	106.28	91.18	78.01	64.49
180.0	213.20	182.59	150.75	129.98	112.13	92.88	79.82	68.71	57.35
225.0	186.69	160.06	137.12	113.07	97.62	84.45	73.39	61.10	53.20
270.0	296.77	199.44	164.74	141.51	121.49	100.48	86.67	75.67	66.66
315.0	208.34	177.97	144.90	123.13	100.37	85.91	74.44	65.08	55.71
360.0	224.78	193.71	160.29	138.00	119.33	99.84	86.85	73.33	64.14

Intensity data(cd)

C/γ(°)	45.0	46.0	47.0	48.0	49.0	50.0	51.0	52.0	53.0
0.0	56.88	50.62	44.18	40.97	38.98	37.16	35.87	35.52	34.65
45.0	64.96	57.18	51.21	46.06	41.67	39.39	37.22	35.87	35.29
90.0	53.31	47.87	42.25	39.39	37.45	35.23	34.53	33.83	32.95
135.0	56.18	48.46	43.72	40.03	37.16	35.46	33.77	33.36	33.07
180.0	50.56	44.42	40.38	37.28	35.52	33.94	33.12	32.60	32.01
225.0	45.65	41.61	38.57	35.76	34.35	33.07	32.77	32.66	32.01
270.0	57.41	51.27	46.06	40.91	38.27	36.64	35.17	34.53	34.06
315.0	50.10	45.82	41.90	38.68	36.93	35.23	33.94	33.77	33.12
360.0	56.88	50.62	44.18	40.97	38.98	37.16	35.87	35.52	34.65
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	33.94	33.77	33.24	31.95	30.84	29.38	26.80	24.76	23.06
45.0	34.29	33.36	33.18	32.77	31.37	30.26	28.56	26.45	24.05
90.0	32.71	32.48	31.78	30.90	29.85	27.68	25.46	23.70	21.71
135.0	32.30	32.19	32.19	31.54	30.55	29.67	27.33	25.16	23.53
180.0	31.72	31.78	31.49	30.43	29.55	28.09	25.69	23.88	22.12
225.0	31.89	31.60	30.61	29.50	28.32	25.93	23.94	22.36	19.72
270.0	32.95	32.71	32.36	31.25	30.02	28.97	27.04	24.40	22.82
315.0	32.25	32.19	31.66	30.20	29.32	27.62	25.52	23.17	21.48
360.0	33.94	33.77	33.24	31.95	30.84	29.38	26.80	24.76	23.06
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	20.83	18.43	17.21	16.09	15.16	14.51	14.05	13.58	13.17
45.0	22.18	20.01	18.14	16.62	15.68	14.92	14.28	13.81	13.40
90.0	19.49	17.50	16.39	15.45	14.51	14.05	13.46	13.11	12.82
135.0	20.95	18.73	17.44	16.09	15.22	14.57	14.05	13.40	13.05
180.0	19.49	17.79	16.62	15.57	14.69	14.10	13.64	13.23	12.70
225.0	17.91	16.39	15.45	14.75	14.16	13.58	13.23	12.87	12.58
270.0	20.78	18.20	16.91	15.86	15.04	14.28	13.81	13.34	12.99
315.0	19.25	17.26	16.15	15.16	14.51	13.87	13.46	13.05	12.70
360.0	20.83	18.43	17.21	16.09	15.16	14.51	14.05	13.58	13.17
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	12.76	12.52	12.17	11.94	11.59	11.41	11.18	10.94	10.59
45.0	12.87	12.58	12.29	12.00	11.76	11.53	11.29	11.00	10.83
90.0	12.52	12.11	11.88	11.70	11.41	11.24	11.00	10.77	10.42
135.0	12.70	12.41	12.06	11.88	11.65	11.35	11.12	10.83	10.59
180.0	12.47	12.23	11.88	11.70	11.41	11.24	11.00	10.83	10.48
225.0	12.17	11.94	11.70	11.53	11.29	11.06	10.71	10.53	10.30
270.0	12.64	12.35	12.06	11.82	11.59	11.41	11.24	10.94	10.65
315.0	12.35	12.11	11.82	11.65	11.41	11.29	10.94	10.71	10.48
360.0	12.76	12.52	12.17	11.94	11.59	11.41	11.18	10.94	10.59
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	10.36	10.07	9.89	9.66	9.42	9.31	9.13	9.01	8.84
45.0	10.59	10.24	10.01	9.71	9.48	9.36	9.19	9.01	8.90
90.0	10.24	9.95	9.71	9.54	9.31	9.19	9.01	8.90	8.72
135.0	10.42	10.12	9.83	9.66	9.42	9.31	9.07	8.90	8.78
180.0	10.30	10.01	9.77	9.60	9.31	9.25	9.01	8.90	8.72
225.0	10.01	9.83	9.60	9.36	9.19	9.07	8.90	8.72	8.72
270.0	10.42	10.18	9.89	9.66	9.42	9.25	9.13	8.90	8.72
315.0	10.18	9.89	9.77	9.48	9.31	9.07	8.95	8.78	8.66
360.0	10.36	10.07	9.89	9.66	9.42	9.31	9.13	9.01	8.84

Intensity data(cd)

C/γ(°)	90.0
0.0	8.72
45.0	8.78
90.0	8.72
135.0	8.72
180.0	8.72
225.0	8.72
270.0	8.72
315.0	8.66
360.0	8.72